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CH Flood, D Dellefs, N Shavit, X Zhang - To appear in the USENIX JVM Conference, 2001 - sunlabs.com

... the entire **heap**, and likely to **reclaim** sufficient space ... cessors sharing 2 Gbyte of **memory**. ... such applications stop all **threads** for **garbage collection**, they must ...

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A comparative evaluation of **parallel garbage collectors**- ► kfupm.edu.sa [PDF]

CR Attanasio, DF Bacon, A Cocchi, S Smith - ... Annual Workshop on Languages and Compilers for **Parallel** ..., 2001 - eprints.kfupm.edu.sa

... all Jalapeño collectors, **reclaiming** storage involves lit ... Therefore, if **memory** resources are limited ... of data on **parallel threads**, **garbage collection** scales well ...

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CR Attanasio, DF Bacon, A Cocchi, S Smith - Lecture Notes in Computer Science, 2003 - Springer

... all Jalapeño collectors, **reclaiming** storage involves lit ... Therefore, if **memory** resources are limited ... of data on **parallel threads**, **garbage collection** scales well ...

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Active memory processor: a hardware garbage collector for real-time Java embedded devices

W Srisa-an, CTD Lo, JM Chang - 2003 - doi.ieeecomputersociety.org

... earlier, reference counting cannot collect any **garbage** objects that ... percentage of the amount of **memory** that can ... 2-bit reference counting can **reclaim** more than ...

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Thread-local heaps for Java- ► psu.edu [PDF]

T Domani, G Goldshtein, EK Kolodner, E Lewis, E ... - ACM SIGPLAN Notices, 2003 - portal.acm.org

... by tracing its own local **heap** and **reclaim**- ing it. ... in the base JVM The base JVM **garbage collection** uses a ... 7]. After **collection**, free **chunks** of **memory** in the ...

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Concurrent garbage collection using hardware-assisted profiling- ► psu.edu [PDF]

TH Heil, JE Smith - ACM SIGPLAN Notices, 2001 - portal.acm.org

... query used for the concurrent **garbage collector** presented here ... queues are held in shared **memory**, and service ... queues so **multiple** service **threads** can efficiently ...

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A generational mostly-concurrent **garbage collector**- ► sun.com [PDF]

T Printezis, D Dellefs - ACM SIGPLAN Notices, 2001 - portal.acm.org

... phase will follow, and will **reclaim** the unmarked ... no space overhead, since the same **memory** is used ... **Thread** Our system uses a dedicated **garbage collection thread**. ...

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Reconsidering custom **memory** allocation- ►amherst.edu [PDF]

ED Berger, BG Zorn, KS McKinley - Proceedings of the 17th ACM SIGPLAN conference on Object- ..., 2002 - portal.acm.org

... In particular, **threads** in a producer-consumer relationship ... SMP scalability [3], a **garbage collector** to protect ... Regions provide separate **memory** areas that a ...

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Message analysis-guided allocation and low-pause incremental **garbage collection** in a concurrent ...- ►uu.se [PDF]

K Sagonas, J Wilhelmsson - Proceedings of the 4th international symposium on **Memory** ..., 2004 - portal.acm.org

... 5. INCREMENTAL **COLLECTION** IN THE SHARED **MEMORY** AREA ... In incremental tracing **garbage** collectors, the ... cate w M words of **heap**, the **collector** must **reclaim** w words ...

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MC 2: high-performance **garbage collection** for **memory**-constrained environments

N Sachindran, JEB Moss, ED Berger - ACM SIGPLAN Notices, 2004 - portal.acm.org

... on handheld de- vices, modern **garbage** collectors must ... and less frequent older generation collections **reclaim** the space ... need to map and unmap **memory** every time ...

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